



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C7R00-12-2112-120E11-ST35S.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L071505101  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 7/31/2015  
 [MANUFAC] TEMPO  
 [LUMCAT] C7R00-12-2112-120E11-ST35S  
 [LUMINAIRE] LED LINEAR LIGHTING, NICHIA 219, MODEL 4 DRIVER  
 [MORE] SIZE: 3"L. X 12.25"W. X 3.25"H.  
 [BALLASTCAT] MODEL M4 DRIVER PWR-T4-120V-08  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 120VAC, 11.23W, 0.10A, 0.98PF, 11% THD  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 1038            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 92              |
| Total Luminaire Watts           | 11.23           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.36            |
| Spacing Criterion (90-270)      | 1.36            |
| Spacing Criterion (Diagonal)    | 1.48            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.19 ft         |
| Luminous Width (90-270)         | 0.98 ft         |
| Luminous Height                 | 0.00 ft         |

**LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45               | 23152         | 23575          | 22865          |
| 55               | 22796         | 23085          | 16359          |
| 65               | 1932          | 14439          | 18385          |
| 75               | 1720          | 2104           | 11320          |
| 85               | 908           | 1730           | 4427           |

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**CANDELA TABULATION**

|           | <u>0</u> | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>35</u> | <u>40</u> | <u>45</u> |
|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0</b>  | 375.09   | 375.09   | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    |
| <b>5</b>  | 374.38   | 374.51   | 374.55    | 374.59    | 374.55    | 374.59    | 374.63    | 374.72    | 374.76    | 374.72    |
| <b>10</b> | 372.49   | 372.32   | 372.19    | 372.19    | 372.23    | 372.28    | 372.45    | 372.36    | 372.41    | 372.58    |
| <b>15</b> | 367.69   | 367.78   | 367.74    | 367.61    | 367.69    | 367.48    | 367.65    | 367.48    | 367.61    | 367.56    |
| <b>20</b> | 360.84   | 360.88   | 360.97    | 361.05    | 360.97    | 360.71    | 360.45    | 360.37    | 360.50    | 360.58    |
| <b>25</b> | 352.35   | 351.97   | 351.88    | 352.01    | 351.97    | 351.80    | 352.05    | 351.84    | 351.93    | 351.63    |
| <b>30</b> | 340.19   | 340.06   | 340.06    | 340.19    | 340.32    | 340.83    | 341.22    | 341.60    | 341.17    | 340.79    |
| <b>35</b> | 325.02   | 325.02   | 325.19    | 325.66    | 326.01    | 326.52    | 326.65    | 326.99    | 326.95    | 326.31    |
| <b>40</b> | 306.94   | 306.68   | 306.64    | 307.03    | 307.67    | 308.44    | 309.25    | 309.64    | 309.90    | 309.90    |
| <b>45</b> | 283.46   | 283.37   | 283.72    | 284.53    | 285.69    | 286.85    | 287.53    | 288.09    | 288.34    | 288.64    |
| <b>50</b> | 257.84   | 258.14   | 258.27    | 259.00    | 260.41    | 261.18    | 261.91    | 263.28    | 266.19    | 265.89    |
| <b>55</b> | 226.39   | 226.73   | 227.89    | 229.13    | 229.95    | 230.93    | 231.02    | 233.46    | 234.87    | 229.26    |
| <b>60</b> | 146.27   | 148.67   | 162.30    | 178.92    | 190.57    | 191.99    | 194.56    | 194.99    | 185.52    | 172.41    |
| <b>65</b> | 14.14    | 14.35    | 14.70     | 15.04     | 15.60     | 18.85     | 49.70     | 110.88    | 112.72    | 105.66    |
| <b>70</b> | 10.97    | 11.10    | 11.31     | 11.48     | 11.65     | 11.78     | 12.00     | 12.30     | 12.81     | 17.70     |
| <b>75</b> | 7.71     | 7.84     | 8.01      | 8.18      | 8.40      | 8.53      | 8.70      | 8.96      | 9.17      | 9.43      |
| <b>80</b> | 4.20     | 4.37     | 4.54      | 4.67      | 4.84      | 5.01      | 5.18      | 5.44      | 5.66      | 5.87      |
| <b>85</b> | 1.37     | 1.37     | 1.54      | 1.71      | 1.89      | 1.97      | 2.14      | 2.27      | 2.44      | 2.61      |
| <b>90</b> | 0.00     | 0.00     | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

**Vert. Angles**      **Horizontal Angles**

|           | <u>50</u> | <u>55</u> | <u>60</u> | <u>65</u> | <u>70</u> | <u>75</u> | <u>80</u> | <u>85</u> | <u>90</u> |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0</b>  | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    | 375.09    |
| <b>5</b>  | 374.81    | 374.93    | 374.93    | 375.02    | 375.11    | 375.11    | 375.19    | 375.28    | 375.41    |
| <b>10</b> | 372.62    | 372.75    | 372.75    | 372.75    | 372.79    | 372.92    | 373.13    | 373.31    | 373.18    |
| <b>15</b> | 367.78    | 367.65    | 367.39    | 367.44    | 367.65    | 367.82    | 367.78    | 367.99    | 368.04    |
| <b>20</b> | 360.54    | 360.62    | 360.50    | 360.24    | 360.50    | 360.15    | 360.28    | 360.02    | 360.07    |
| <b>25</b> | 351.54    | 351.54    | 351.16    | 351.20    | 351.33    | 351.20    | 350.64    | 350.08    | 350.04    |
| <b>30</b> | 340.66    | 340.62    | 340.19    | 339.97    | 339.54    | 339.46    | 339.24    | 338.94    | 338.82    |
| <b>35</b> | 326.26    | 326.43    | 326.56    | 326.65    | 326.05    | 325.32    | 325.23    | 325.23    | 325.62    |
| <b>40</b> | 309.64    | 310.02    | 309.81    | 309.72    | 309.51    | 309.30    | 309.30    | 309.60    | 309.77    |
| <b>45</b> | 289.29    | 291.52    | 292.59    | 291.04    | 289.80    | 286.67    | 282.90    | 280.42    | 279.95    |
| <b>50</b> | 266.37    | 261.61    | 252.70    | 245.50    | 245.03    | 241.52    | 235.60    | 230.46    | 230.59    |
| <b>55</b> | 220.65    | 212.38    | 194.09    | 181.58    | 174.16    | 169.79    | 166.07    | 163.11    | 162.47    |
| <b>60</b> | 153.81    | 143.32    | 135.90    | 141.86    | 150.99    | 152.61    | 153.51    | 153.30    | 152.96    |
| <b>65</b> | 118.38    | 122.58    | 127.29    | 133.03    | 133.55    | 133.08    | 134.45    | 134.92    | 134.53    |
| <b>70</b> | 70.09     | 87.23     | 91.17     | 91.69     | 92.07     | 92.37     | 92.67     | 94.13     | 93.66     |
| <b>75</b> | 9.68      | 10.15     | 24.12     | 47.90     | 50.30     | 50.51     | 50.56     | 51.71     | 50.73     |
| <b>80</b> | 6.17      | 6.43      | 6.68      | 6.90      | 9.34      | 19.45     | 19.88     | 19.75     | 19.88     |
| <b>85</b> | 2.83      | 3.04      | 3.26      | 3.60      | 3.86      | 4.07      | 4.71      | 6.64      | 6.68      |
| <b>90</b> | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

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**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 139.63  | N.A.  | 13.40  |
| 0-30    | 301.85  | N.A.  | 29.10  |
| 0-40    | 505.90  | N.A.  | 48.70  |
| 0-60    | 912.22  | N.A.  | 87.80  |
| 0-80    | 1034.49 | N.A.  | 99.60  |
| 0-90    | 1038.42 | N.A.  | 100.00 |
| 10-90   | 1002.72 | N.A.  | 96.60  |
| 20-40   | 366.27  | N.A.  | 35.30  |
| 20-50   | 585.91  | N.A.  | 56.40  |
| 40-70   | 501.81  | N.A.  | 48.30  |
| 60-80   | 122.27  | N.A.  | 11.80  |
| 70-80   | 26.78   | N.A.  | 2.60   |
| 80-90   | 3.93    | N.A.  | 0.40   |
| 90-110  | 0.00    | N.A.  | 0.00   |
| 90-120  | 0.00    | N.A.  | 0.00   |
| 90-130  | 0.00    | N.A.  | 0.00   |
| 90-150  | 0.00    | N.A.  | 0.00   |
| 90-180  | 0.00    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 1038.42 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 35.70  |
| 10-20   | 103.93 |
| 20-30   | 162.22 |
| 30-40   | 204.05 |
| 40-50   | 219.64 |
| 50-60   | 186.68 |
| 60-70   | 95.49  |
| 70-80   | 26.78  |
| 80-90   | 3.93   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |

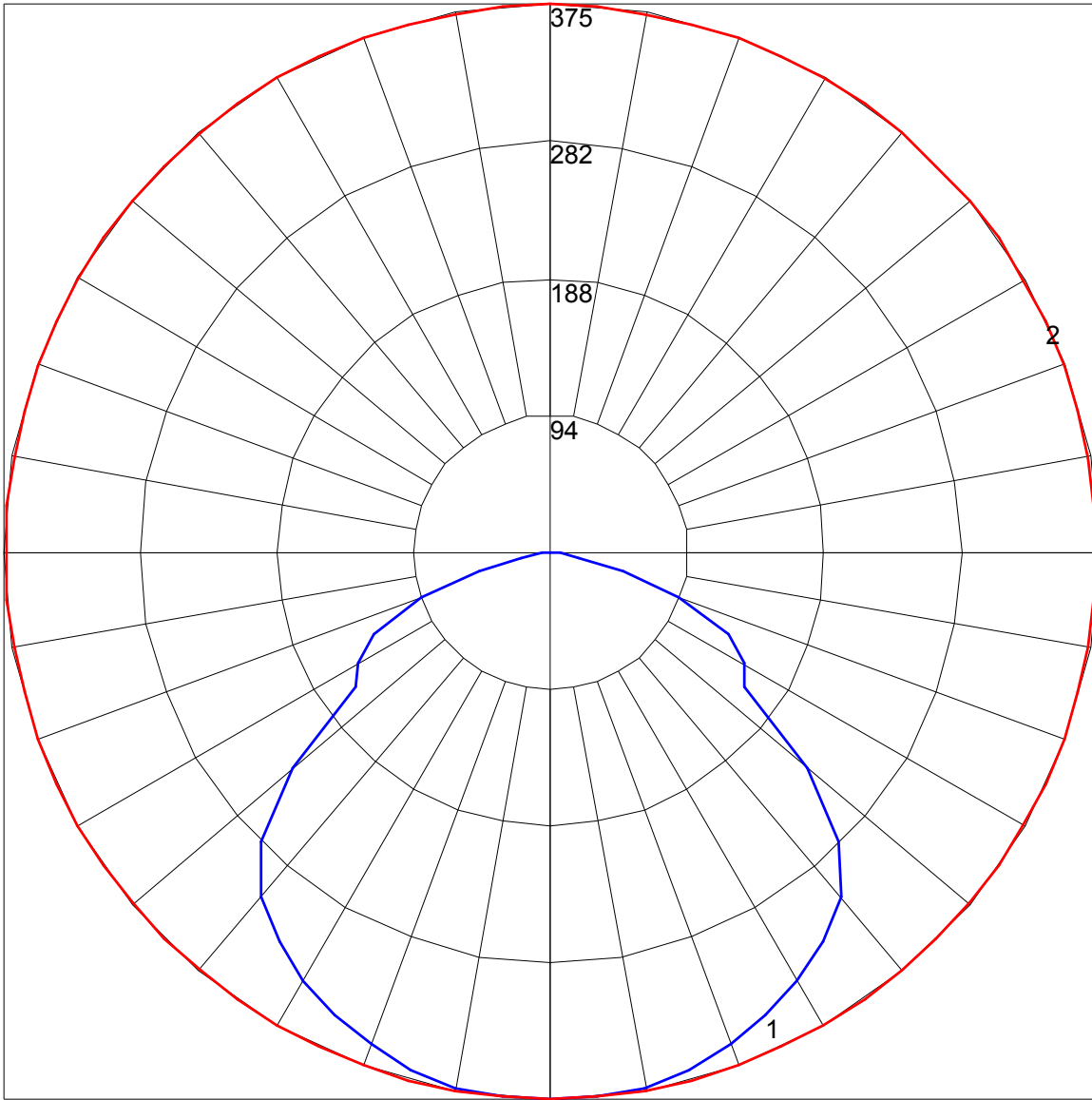
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|    | RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0 |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |   |
| 1  | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |   |
| 2  | 101 | 94  | 88  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 80  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |   |
| 3  | 93  | 83  | 75  | 69  | 90  | 81  | 74  | 69  | 78  | 72  | 67  | 76  | 71  | 66  | 73  | 69  | 65  | 63  |   |
| 4  | 85  | 74  | 65  | 59  | 83  | 72  | 65  | 59  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 54  |   |
| 5  | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 54  | 49  | 47  |   |
| 6  | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 41  |   |
| 7  | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 38  | 36  |   |
| 8  | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 32  |   |
| 9  | 58  | 45  | 37  | 31  | 57  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |   |
| 10 | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |   |

POLAR GRAPH



Maximum Candela = 375.41 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)